INTERNATIONAL SEARCH REPORT

International application No.

	PCT/JP2004/004580	
A. CLASSIFICATION OF SUBJECT MATTER Int.Cl ⁷ H01M2/02, 2/08		
According to International Patent Classification (IPC) or to both national classification and	IPC	
B. FIELDS SEARCHED		
Minimum documentation searched (classification system followed by classification symbol Int.Cl ⁷ H01M2/02-2/08	s)	
101112,02 2,00	<u>.</u>	
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Documentation searched other than minimum documentation to the extent that such documentation Shinan Koho 1926–1996 Jitsuyo Shinan	ents are included in the fields searched	
Kokai Jitsuyo Shinan Koho 1971-2004 Toroku Jitsuyo		
Electronic data base consulted during the international search (name of data base and, where	e practicable, search terms used)	
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category* Citation of document, with indication, where appropriate, of the rel	evant passages Relevant to claim No.	
Y JP 7-201308 A (Matsushita Electric Indu		
Co., Ltd.), 04 August, 1995 (04.08.95), Claims; Fig. 1 (Family: none)	. In the second	
Y JP 2001-283795 A (Matsushita Electric I Co., Ltd.), 12 October, 2001 (12.10.01), Claims; Par. No. [0012] (Family: none)	industrial 1-4	
JP 2003-7270 A (NOK Kabushiki Kaisha), 10 January, 2003 (10.01.03), Claims; Figs. 3 to 6 (Family: none)	3,4	
X Further documents are listed in the continuation of Box C. See patent f	amily annex.	
"E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other "V" document	date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone	
"P" document referring to an oral disclosure, use, exhibition or other means document published prior to the international filing date but later than the priority date claimed "&" document mem	involve an inventive step when the document is one or more other such documents, such combination to a person skilled in the art other of the same patent family	
Date of the actual completion of the international search 02 July, 2004 (02.07.04) Date of mailing of 20 July	the international search report , 2004 (20.07.04)	
Name and mailing address of the ISA/ Japanese Patent Office Authorized officer		
Facsimile No. Telephone No. Telephone No.		

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Category*	Citation of document, with	Citation of document, with indication, where appropriate, of the relevant passages		
Y	JP 2000-357495 A (Matsushita Electric Industrial Co., Ltd.), 26 December, 2000 (26.12.00), Claims; Fig. 2 (Family: none)		Relevant to claim No.	
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